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## INDEX TO AMERICAN BOTANICAL LITERATURE

(1908)

The aim of this Index is to include all current botanical literature written by Americans, published in America, or based upon American material; the word America being used in its broadest sense.

Reviews, and papers which relate exclusively to forestry, agriculture, horticulture, manufactured products of vegetable origin, or laboratory methods are not included, and no attempt is made to index the literature of bacteriology. An occasional exception is made in favor of some paper appearing in an American periodical which is devoted wholly to botany. Reprints are not mentioned unless they differ from the original in some important particular. If users of the Index will call the attention of the editor to errors or omissions their kindness will be appreciated.

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**Arthur, J. C.** Cultures of *Uredineae* in 1907. Jour. Myc. **14**: 7-26.

4 Ja 1908.

**Bailey, W. W.** Pod and berry. Am. Bot. **13**: 77-79. [Ja 1908.]

**Beckmann, P.** *Vochysiaceae* novae austro-americanae. Bot. Jahrb. **40**: 279-281. 24 Ja 1908.

Includes *Vochysia Weberbaueri*, *V. Melinonii*, and *Qualea Melinonii*, new species.

**Blumer, J. C.** Some observations on Arizona fungi. Plant World

**11**: 14-17. Ja 1908.

**Britton, E. G.** A trip to Jamaica in summer. Torreya **8**: 8-12. f. 1.

27 Ja 1908.

**Campbell, D. H.** Studies on some Javanese *Anthocerotaceae*—II.

Ann. Bot. **22**: 91-102. pl. 9, 10 + f. 1, 2. Ja 1908.

**Cannon, W. A.** On the electric resistance of solutions of salt plants and solutions of alkali soils. Plant World **11**: 10-14. Ja 1908.

**Chase, A.** Notes on genera of *Panicaceae*—II. Proc. Biol. Soc. Wash. **21**: 1-10. f. 1-3 23 Ja 1908.

Includes new combinations in *Hymenachne* (2), and *Sacciolepis* (5).

**Chase, A.** Notes on cleistogamy in grasses. Bot. Gaz. **45**: 135, 136. f. 1. 15 F 1908.

**Clarke, C. B.** The *Cyperaceae* of Costa Rica. Contr. U. S. Nat. Mus. **10**: 443-471. 24 Ja 1908.

Includes three new species, one each in *Cyperus*, *Carex*, and *Rhynchospora*.

- Clute, W. N.** Concerning the alliums. *Am. Bot.* **13** : 73, 74. [Ja 1908.] [Illust.]
- Cockerell, T. D. A.** A new combination. *Muhlenbergia* **3** : 143. 16 Ja 1908.  
*Sabina megalocarpa* (Sudw.) Cockerell.
- Cockerell, T. D. A.** North American *Castalia*. *Muhlenbergia* **3** : 145. 16 Ja 1908.  
Includes 3 new combinations.
- Cockerell, T. D. A.** *Sisymbrium Vaseyi* (Coulter) Watson. *Muhlenbergia* **4** : 5. 6 F 1908.
- Davis, B. M.** Spore formation in *Derbesia*. *Ann. Bot.* **22** : 1-20. *pl.* 1, 2. Ja 1908.
- De Candolle, C.** *Piperaceae* andinae. *Bot. Jahrb.* **40** : 242-267. 24 Ja 1908.  
Includes new species in *Piper* (27), and *Peperomia* (26).
- Diels, L.** *Alchemillae* species nova andina singularis addita. *Bot. Jahrb.* **40** : 277. 24 Ja 1908.  
*Alchemilla diplophylla* Diels.
- Eastwood, A.** Extensions of range. *Muhlenbergia* **3** : 147. 16 Ja 1908.  
New localities for *Lewisia rediviva*, and *L. Leana*.
- Eckerson, S.** The physiological constants of plants commonly used in American botanical laboratories. *Bot. Gaz.* **45** : 50-54. 16 Ja 1908.
- Evans, A. W.** Hepaticae of Puerto Rico—VIII. *Symbiezidium*, *Marchesinia*, *Mastigolejeunea*, *Caudalejeunea*, and *Bryopteris*. *Bull. Torrey Club* **34** : 533-568. *pl.* 31-33. 11 Ja 1908.
- Faull, J. H.** *Arceuthobium pusillum* Peck. *Ottawa Nat.* **21** : 175. 23 Ja 1908.
- Fletcher, J.** Botanical note. *Ottawa Nat.* **21** : 182. 23 Ja 1908.  
Records occurrence of *Cassia Chamaecrista* near St. Thomas, Ontario.
- Gates, R. R.** The chromosomes of *Oenothera*. *Science* II. **27** : 193-195. 31 Ja 1908.
- Gow, J. E.** Embryogeny of *Arisaema triphyllum*. *Bot. Gaz.* **45** : 38-44. *f.* 1-24. 16 Ja 1908.
- Guillet, C.** Kawartha mushrooms. *Ottawa Nat.* **21** : 176. 23 Ja 1908.
- Gürke, M.** *Echinocactus coquimbanus* Rümpl. *Monats. Kakteenk.* **18** : 1, 2, 5. 15 Ja 1908.

- Harper, R. M.** The pine-barrens of Babylon and Islip, Long Island. *Torrey* **8**: 1-9. *f.* 1, 2. 27 Ja 1908.
- Hasse, H. E.** Additions to the lichen flora of southern California. *Bryologist* **11**: 6, 7. Ja 1908.
- Haynes, C. C.** Ten lophozias — III. *Bryologist* **11**: 1-3. *pl.* 1. Ja 1908.
- Heller, A. A.** The genus *Naiocrene*. *Muhlenbergia* **3**: 146, 147. 16 Ja 1908.
- Hennings, P.** Aliquot fungi peruviani novi. *Bot. Jahrb.* **40**: 225-227. 24 Ja 1908.  
Includes new species in *Puccinia* (3), *Calonectria*, *Hypocrella*, and *Dothidella*.
- Hieronymus, G.** *Compositae* andinae — I. *Bot. Jahrb.* **40**: 352-394. 24 Ja 1908.  
Includes 45 new species.
- Holm, T.** *Isopyrum bitermum* Torr. et Gr.; an anatomical study. *Am. Journ. Sci.* **IV**. **25**: 133-140. *f.* 1-3. F 1908.
- Holzinger, J. M.** A nomenclatural note. *Bryologist* **11**: 7. Ja 1908.
- Jepson, W. L.** Northernmost stations for two common California trees. *Muhlenbergia* **3**: 144. 16 Ja 1908.
- Jepson, W. L.** The name of the white sage. *Muhlenbergia* **3**: 144. 16 Ja 1908.  
Publishes *Salvia apiana* Jepson, new name.
- Kellerman, W. A.** Dr. Rehm's first report on Guatemalan *Ascomycetae*. *Jour. Myc.* **14**: 3-7. 2 Ja 1908.  
Includes 3 new species, one each in *Phyllachora*, *Physalospora*, and *Xylaria*.
- Kennedy, P. B.** Some notes regarding *Dicoria* with the description of a new species. *Muhlenbergia* **4**: 1-4. 6 F 1908. [Illust.]  
*D. Clarkae* sp. nov. from Nevada.
- Kränzlin, K.** *Amaryllidaceae* andinae. *Bot. Jahrb.* **40**: 227-239. 24 Ja 1908.  
Includes new species in *Bomarea* (17), *Alstroemeria*, *Hippeastrum*, and *Stenomesson* (3).
- Kränzlin, F.** *Iridaceae* andinae. *Bot. Jahrb.* **40**: 239-242. 24 Ja 1908.  
Includes new species in *Sphenostigma*, *Sisyrinchium* (5), and *Symphyostemon*.
- Kränzlin, F.** *Loganiaceae* austro-americanae. *Bot. Jahrb.* **40**: 306-312. 24 Ja 1908.  
Includes new species in *Spigelia* (3), *Buddleia* (9), and *Desfontainea*.
- Krause, K.** *Linaceae* andinae. *Bot. Jahrb.* **40**: 277-279. 24 Ja 1908.  
Includes 2 new species in *Linum*.

- Krause, K.** *Rubiaceae* andinae. Bot. Jahrb. **40**: 312-351. 24 Ja 1908.  
Includes 55 new species, and *Acrobotrys*, new genus.
- Livingston, B. E.** Evaporation and plant habitats. Plant World **11**: 1-9. Ja 1908.
- Long, B.** *Gymnadeniopsis nivea* in southern New Jersey. Torreyia **8**: 16. 27 Ja 1908.
- Lorenz, A.** Notes on *Radula tenax* Lindb. Bryologist **11**: 8, 9. pl. 2. Ja 1908.
- Mackenzie, K. K.** The pine-barren bellwort. Torreyia **8**: 13, 14. 27 Ja 1908.
- Macoun, J. M.** *Asplenium Ruta-muraria* L. Ottawa Nat. **21**: 183. 23 Ja 1908.  
Notes occurrence at Banff, Rocky Mts.
- Macoun, J. M.** Botanical notes. Ottawa Nat. **21**: 195-197. 12 F 1908.
- Magowan, F. N.** The toxic effect of certain common salts of the soil on plants. Bot. Gaz. **45**: 45-49. 16 Ja 1908. [Illust.]
- McElhinney, M. G.** Note on experiments relating to the origin of life-forms. Ottawa Nat. **21**: 188. 12 F 1908.
- Moore, W. & Behney, M. E.** The condition of certain winter buds. Bot. Gaz. **45**: 54. 16 Ja 1908.
- Morgan, A. P.** North American species of *Agaricaceae* (cont.). Jour. Myc. **14**: 27-32. 2 Ja 1908.  
Includes synopsis and descriptions of 17 species of *Hypholoma*.
- Mücke, M.** Über den Bau und die Entwicklung der Früchte und über die Herkunft von *Acorus Calamus* L. Bot. Zeit. **66**<sup>1</sup>: 1-23 pl. 1. 15 Ja 1908.
- Murrill, W. A.** The collections of fungi. Jour. N. Y. Bot. Gard. **9**: 1-9. f. 1, 2. Ja 1908.
- Muschler, R.** *Cruciferae* andinae. Bot. Jahrb. **40**: 267-277. 24 Ja 1908.  
Includes *Urbanodoxa* and *Englerocharis*, new genera, and 19 new species.
- Nash, G. V.** The banyan tree. Jour. N. Y. Bot. Gard. **9**: 10-13. f. 3. Ja 1908.
- Nelson, A. & Kennedy, P. B.** New plants from the Great Basin. Muhlenbergia **3**: 137-143. 16 Ja 1908.  
Includes 7 new species, one each in *Boisduvalia*, *Lepidium*, *Chylisma*, *Oreocarya*, *Phlox*, *Plantago* and *Symphoricarpos*.

- Nichols, G. E.** North American species of *Amblystegiella*. Bryologist 11: 4, 5. Ja 1908.
- Nichols, M. L.** The development of the pollen of *Sarracenia*. Bot. Gaz. 45: 31-37. pl. 5. 16 Ja 1908.
- Niedenzu, F.** *Malpighiaceae* nova andina. Bot. Jahrb. 40: 281. 24 Ja 1908.  
*Banisteria populifolia* sp. nov.
- Osterhout, W. J.** The antagonistic action of magnesium and potassium. Bot. Gaz. 45: 117-124. f. 1-3. 15 F 1908.
- Peck, C. H.** New species of fungi. Jour. Myc. 14: 1-3. 2 Ja 1908.  
Includes 6 new species, one each in *Clitocybe*, *Pleurotus*, *Lactarius*, *Entoloma*, *Lep-tonia* and *Pistillaria*.
- Purpus, J. A.** *Echinocereus pensilis* (Brandege) J. A. Purp. Monats. Kakteenk. 18: 3, 4, 5. 15 Ja 1908. [Illust.]
- Ramaley, F.** Color variations in some Colorado flowers. Plant World 11: 17, 18. Ja 1908.
- Ricker, P. L.** Dates of the signatures of the "Mémoires de l'Académie impériale des sciences de Saint Petersburg. Series VI. Sciences mathématiques, physiques et naturelles." Proc. Biol. Soc. Wash. 21: 11-18. 23 Ja 1908.
- Rothrock, J. T.** Larch, tamarack, hackmatack (*Larix americana* Michx.). Forest Leaves 11: 104. F 1908. [Illust.]
- Schreiner, O. & Reed, H. S.** The toxic action of certain organic plant constituents. Bot. Gaz. 45: 73-102. f. 1-7. 15 F 1908.
- Schürhoff, P.** Ozellen und Lichtkondensoren bei einigen Peperomien. Beih. Bot. Centr. 23: 14-26. pl. 2, 3. 10 Ja 1908.
- Setchell, W. A.** *Nereocystis* and *Pelagophycus*. Bot. Gaz. 45: 125-134. 15 F 1908.  
Includes *Pelagophycus Porra* (Leman) Setchell comb. nov.
- Shull, G. H.** Some new cases of Mendelian inheritance. Bot. Gaz. 45: 103-116. f. 1-4. 15 F 1908.
- Sprague, T. A.** The prickly-fruited species of *Euonymus*. Kew Bull. Misc. Inf. 1908: 29-36. Ja 1908.
- Stevens, A. B.** Poison-ivy fruit. Am. Jour. Pharm. 80: 93. F 1908.
- Stone, W.** *Rynchospora rariflora* in southern New Jersey. Torreyia 8: 16, 17. 27 Ja 1908.
- Trappen, A. von der.** Sprossen aus der Zentralachse bei *Echinocactus myriostigma* S.-D. Monats. Kakteenk. 18: 9, 10. 15 Ja 1908. [Illust.]

**Urban, I.** *Plantae novae andinae imprimis Weberbauerianae* — III.

Bot. Jahrb. **40**: 225-395. 24 Ja 1908.

Consists of 13 separate papers here indexed under their respective authors: Beckmann, deCandolle, Diels, Hennings, Hieronymus, Kränzlin, Krause, Muschler, Niedenzu, and Wolff.

**Weingart, W.** *Cereus Baumannii* Lem. Monats. Kakteenk. **18**: 6-8.

15 Ja 1908.

**Wieland, G. R.** Accelerated cone growth in *Pinus*. Am. Jour. Sci.

IV. **25**: 102-104. F 1908. [Illust.]

**Wieland, G. R.** Historic fossil cycads. Am. Jour. Sci. IV. **25**: 93-

101. F 1908. [Illust.]

**Williams, R. S.** Mosses from tropical America. Bull. Torrey Club

**34**: 569-574. 11 Ja 1908.

Includes 5 new species, one each in *Camphylopus*, *Dicranodontium*, *Leptodontium*, *Holomitrium*, and *Cyclodictyon*.

**Wolff, H.** *Umbelliferae austro-americanae*. Bot. Jahrb. **40**: 281-306.

24 Ja 1908.

Includes 34 new species in *Hydrocotyle* (5), *Bowlesia* (6), *Azorella* (3), *Asteriscium* (7), *Eryngium* (8), *Urbanosciadium* gen. nov., *Velaea*, *Arracacia* (2), and *Oreosciadium*.

**Yamanouchi, S.** Sporogenesis in *Nephrodium*. Bot. Gaz. **45**: 1-30.

pl. 1-4. 16 Ja 1908.